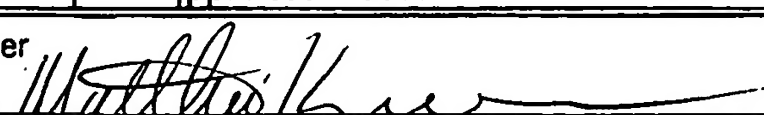


Form PTO-1449				Attorney Docket P65684US1		Application No. (NEW)	
Information Disclosure Citation				Applicant Robert R. STEUER et al.			
				Filing Date December 9, 2003		Group Art Unit (not yet assigned)	

U.S. Patent Documents							
Examiner Initial	Class	Patent Number	Date	Name	Class	Sub-Class	Filing Date
MK		AA	12/1992	Schweitzer et al.			
MK		AB	3,638,640	Shaw			
MK		AC	3,880,151	Nilsson et al.			
MK		AD	4,014,321	March			
MK		AE	4,081,372	Atkin et al.			
MK		AF	4,086,915	Kofsky et al.			
MK		AG	4,167,331	Nielsen			
MK		AH	4,181,610	Shintani et al.			
MK		AI	4,223,680	Jöbsis			
MK		AJ	4,266,554	Hamaguri			
MK		AK	4,295,470	Shaw et al.			

Foreign Patent Documents							
		Document Number	Date	Country	Class	Sub-Class	Translation
MK		AL	EP104772B1	Europe			Yes No
MK		AM	EP160768B1	Europe			Yes No
MK		AN	WO 86/06946	WIPO			Yes No
MK		AO	WO 89/01758	WIPO			Yes No
MK		AP	WO 93/06456	WIPO			Yes No

Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)		
MK	AR	J.P. Payne and J.W. Severinghaus, Eds., <i>Pulse Oximetry</i> , Chapters 1 and 2 (©1986).
MK	AS	John D. Bower and Thomas G. Coleman, <i>Circulatory Function During Chronic Hemodialysis</i> , Vol. XV <i>Trans. Amer. Soc. Artif. Int. Organs</i> , 1969, 373-377.
MK	AT	Larry Reynolds, C. Johnson, A. Ishimaru, "Diffuse reflectance from a finite blood medium: applications to the modeling of fiber optic catheters," Sept. 1976, Vol. 15, No. 9, <i>Applied Optics</i> , pp. 2059-2067.

Examiner 	Date Considered 1/6/05
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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				Filing Date December 9, 2003		Group Art Unit (not yet assigned)	
U.S. Patent Documents							
Examiner Initial	Patent Number	Date	Name	Class	Sub-Class	Filing Date	
MK	BA	4,416,285	Shaw et al.				
MK	BB	4,446,871	Imura				
MK	BC	4,653,498	New, Jr. et al.				
MK	BD	4,655,225	Dahne et al.				
MK	BE	4,685,464	Goldberger et al.				
MK	BF	4,714,080	Edgar, Jr., et al.				
MK	BG	4,770,179	New et al.				
MK	BH	4,805,623	Jöbsis				
MK	BI	4,819,752	Zelin				
MK	BJ	4,821,734	Koshino				
MK	BK	4,824,242	Frick et al.				
Foreign Patent Documents							
	Document Number	Date	Country	Class	Sub-Class	Trans-lation	
MK	BL	EP 0 529 412	EPO			Yes	No
	BM					Yes	No
	BN					Yes	No
	BO					Yes	No
	BP					Yes	No
Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)							
MK	BR	R.N. Greenwood, C. Aldridge, L. Goldstein, L.R.I. Baker and W.R. Cattell, "Assessment of arteriovenous fistulae from pressure and thermal dilution studies: clinical experience in forearm fistulae," <i>Clinical Nephrology</i> , Vol. 23, NO. 4-1985, pp. 189-197.					
MK	BS	R.N. Greenwood, C. Aldridge and W.R. Cattell, "Serial blood water estimations and in-line blood viscometry: the continuous measurement of blood volume during dialysis procedures," <i>Clinical Science</i> (1984)66, pp. 575-583.					
MK	BT	C. Aldridge, R.N. Greenwood, W.R. Cattell and R.V. Barrett, "The assessment of arteriovenous fistulae created for haemodialysis from pressure and thermal dilution measurements," <i>Journal of Medical Engineering & Technology</i> , Vol. 8, No. 3, (May/June), pp. 118-124.					
Examiner <u>Matthew Hane</u>				Date Considered <u>1/6/05</u>			
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Examiner Initial		Patent Number	Date	Name	Class	Sub-Class	Filing Date
<i>ME</i>	CA	4,825,872	05/02/1989	Tan et al.			
<i>ME</i>	CB	4,825,879	05/02/1989	Tan et al.			
<i>ME</i>	CC	4,832,484	05/23/1989	Aoyagi et al.			
<i>ME</i>	CD	4,863,265	09/05/1989	Flower et al.			
<i>ME</i>	CE	4,867,557	09/19/1989	Takatani et al.			
<i>ME</i>	CF	4,920,972	05/01/1990	Frank et al.			
<i>ME</i>	CG	4,925,299	05/15/1990	Meisberger et al.			
<i>ME</i>	CH	5,028,787	07/02/1991	Rosenthal et al.			
<i>ME</i>	CI	5,035,243	07/30/1991	Muz			
<i>ME</i>	CJ	5,048,524	09/17/1991	Bailey			
<i>ME</i>	CK	5,054,487	10/08/1991	Clarke			

Foreign Patent Documents

		Document Number	Date	Country	Class	Sub-Class	Translation
	CL						Yes No
	CM						Yes No
	CN						Yes No
	CO						Yes No
	CP						Yes No

Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)

<i>ME</i>	CR	L. Goldstein, L. Pavitt, R.N. Greenwood, C. Aldridge, L.R.I. Baker and W.R. Cattell, "The Assessment of Arteriovenous Fistulae From Pressure and Recirculation Studies," <i>Proc EDTNA-ERCA</i> (1985) Vol. 14., pp. 207-215.
<i>ME</i>	CS	R.N. Greenwood, C. Aldridge, L. Goldstein, L.R.I. Baker and W.R. Cattell, "Assessment of Arteriovenous Fistulas From Pressure and Recirculation Studies: Clinical Experience In 215 Upper Limb Fistulas," <i>Proc EDTA-ERA</i> (1985), Vol. 22, pp. 296-302.
<i>ME</i>	CT	Joseph M. Schmitt, James D. Meindl and Frederick G. Mihm, "An Integrated Circuit-Based Optical Sensor for In Vivo Measurement of Blood Oxygenation," <i>IEEE Transactions On Biomedical Engineering</i> , Vol. BME-33, No. 21, Feb. 1986, pp. 98-107.

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				Filing Date December 9, 2003		Group Art Unit (not yet assigned)	

U.S. Patent Documents							
Examiner Initial		Patent Number	Date	Name	Class	Sub-Class	Filing Date
MK	DA	5,057,695	10/15/1991	Hirao et al.			
MK	DB	5,058,587	10//1991	Kohno et al.			
MK	DC	5,059,394	10/22/1991	Phillips et al.			
MK	DD	5,066,859	11/19/1991	Karkar et al.			
MK	DE	5,092,836	03/03/1992	Polaschegg			
MK	DF	5,101,825	04/07/1992	Gravenstein et al.			
MK	DG	5,111,817	05/12/1992	Clark et al.			
MK	DH	5,127,406	07/07/1992	Yamaguchi			
MK	DI	5,137,023	08/11/1992	Mendelson et al.			
MK	DJ	5,158,091	10/27/1992	Butterfield et al.			
MK	DK	5,193,543	03/16/1993	Yelderman			

Foreign Patent Documents							
		Document Number	Date	Country	Class	Sub-Class	Translation
	DL						Yes No
	DM						Yes No
	DN						Yes No
	DO						Yes No
	DP						Yes No

Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)		
MK	DR	Joseph M. Schmitt, Fred G. Mihm and James Meindl, <i>New Methods for Whole Blood Oximetry</i> , Annals of Biomedical Engineering, Vol., 14, pp. 35-52, 1986.
MK	DS	Mark R. Arnfield, J. Tulip and Malcolm McPhee, "Optical Propagation in Tissue With Anisotropic Scattering," <i>IEEE Transactions on Biomedical Engineering</i> , Vol. 35, No. 5, May 1988, pp. 372-381.
MK	DT	N.M. Krivitski, "Theory and validation of access flow measurements by dilution technique during hemodialysis," <i>Kidney Int</i> 48:244-250, 1995

Examiner <u>Matthew H. ...</u>	Date Considered <u>4/6/05</u>
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December 9, 2003Group Art Unit
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U.S. Patent Documents

Examiner Initial		Patent Number	Date	Name	Class	Sub-Class	Filing Date
<i>mk</i>	EA	5,237,999	08/24/1993	Von Berg			
<i>mk</i>	EB	5,285,783	02/15/1994	Secker			
<i>mk</i>	EC	5,351,686	10/04/1994	Steuer et al.			
<i>mk</i>	ED	5,456,253	10/10/1995	Steuer et al.			
<i>mk</i>	EE	5,499,627	03/19/1996	Steuer et al.			
<i>mk</i>	EF	5,520,177	05/28/1996	Ogawa et al.			
<i>mk</i>	EG	5,551,422	09/3/1996	Simonsen et al.			
<i>mk</i>	EH	5,595,182	01/21/1997	Krivitski			
<i>mk</i>	EI	5,785,657	07/28/1998	Breyer et al.			
<i>mk</i>	EJ	5,797,841	08/25/1998	Delonzor et al.			
<i>mk</i>	EK	5,803,908	09/08/1998	Steuer et al.			

Foreign Patent Documents

		Document Number	Date	Country	Class	Sub-Class	Translation
	EL						Yes No
	EM						Yes No
	EN						Yes No
	EO						Yes No
	EP						Yes No

Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)

<i>mk</i>	ER	N.M. Krivitski, "Novel method to measure access flow during hemodialysis by ultrasound velocity dilution technique," <i>ASAIO J</i> 41:M741-M745, 1995
<i>mk</i>	ES	T.A. Depner and N.M. Krivitski, "Clinical measurement of blood flow in hemodialysis access fistulae and grafts by ultrasound dilution," <i>ASAIO J</i> 41:M745-M749, 1995)
<i>mk</i>	ET	D. Yarar et al., "Ultrafiltration method for measuring vascular access flow rates during hemodialysis," <i>Kidney Int.</i> , 56: 1129-1135 (1999)

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Applicant

Robert R. STEUER et al.

Filing Date
December 9, 2003Group Art Unit
(not yet assigned)

U.S. Patent Documents

Examiner Initial		Patent Number	Date	Name	Class	Sub-Class	Filing Date
<i>MS</i>	FA	5,817,009	10/06/1998	Rosenheimer et al.			
<i>MS</i>	FB	5,974,337	10/26/1999	Kafka et al.			
<i>MS</i>	FC	6,041,246	03/21/2000	Krivitski et al.			
<i>MS</i>	FD	6,117,099	09/12/2000	Steuer et al.			
<i>MS</i>	FE	6,153,109	11/28/2000	Krivitski			
<i>MS</i>	FF	6,167,765	01/02/2001	Weitzel			
<i>MS</i>	FG	6,189,388	02/20/2001	Cole et al.			
<i>MS</i>	FH	6,210,591	04/03/2001	Krivitski			
<i>MS</i>	FI	6,452,371	09/17/2002	Brugger			
	FJ						
	FK						

Foreign Patent Documents

		Document Number	Date	Country	Class	Sub-Class	Translation
	FL						Yes No
	FM						Yes No
	FN						Yes No
	FO						Yes No
	FP						Yes No

Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)

<i>MS</i>	FR	N.M. Krivitski et al., "Saline Release Method to Measure Access Flow (AF) by Ultrasound Dilution during Hemodialysis," <i>JASN Abstracts</i> , 8:164A, 1997
	FS	
	FT	

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